

Title (en)  
SYSTEM AND METHOD FOR THE AUTOMATED PRODUCTION OF A WIRING HARNESS

Title (de)  
ANLAGE SOWIE VERFAHREN ZUM AUTOMATISIERTEN HERSTELLEN EINES KABELSATZES

Title (fr)  
INSTALLATION ET PROCÉDÉ DE FABRICATION AUTOMATISÉE D'UN FAISCEAU DE CÂBLES

Publication  
**EP 3580020 A1 20191218 (DE)**

Application  
**EP 18717890 A 20180409**

Priority  
• DE 102017206140 A 20170410  
• EP 2018059018 W 20180409

Abstract (en)  
[origin: WO2018189104A1] The system (2) is used for the automated production of a wiring harness (3), which has a branched structure consisting of a plurality of individual conductor elements (22). To form wiring harnesses (3) with an individual branched structure, the conductor elements (22) are automatically brought into a predefined distribution structure, using a plurality of second rails (50) oriented in parallel with one another and a plurality of second transporters (48) distributed on the second rails (50) to do so. The second transporters (48) are each provided with one wire end of the conductor elements (22). To form the distribution structure, the second rails are then moved in a vertical direction (14) and the second transporters (48) are moved along the second rail (50). In this spread-out structure, further processing steps, such as fixing the conducting elements (22) to each other, are then performed.

IPC 8 full level  
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CPC (source: EP KR US)  
**B25J 5/02** (2013.01 - US); **B25J 11/00** (2013.01 - EP KR); **G05B 19/4182** (2013.01 - US); **H01B 13/01209** (2013.01 - US); **H01B 13/01236** (2013.01 - US); **H01B 13/01263** (2013.01 - EP KR); **H01R 43/20** (2013.01 - KR); **H01R 43/28** (2013.01 - KR); **H02G 1/00** (2013.01 - KR); **G05B 2219/39001** (2013.01 - US); **G05B 2219/39102** (2013.01 - US); **G05B 2219/45097** (2013.01 - US); **H01R 43/20** (2013.01 - EP); **H01R 43/28** (2013.01 - EP); **H02G 1/00** (2013.01 - EP)

Citation (search report)  
See references of WO 2018189104A1

Cited by  
CN113410798A

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Designated extension state (EPC)  
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